

In the Claims:

Please amend the claims as follows:

AT 1 Sub B37
C9ncf
~~18. (Amended) A storage medium comprising a plurality of executable instructions which, when executed, causes an executing processor to implement a motion estimation function to utilize even-parity field prediction to predict content of each of a plurality of fields of a predicted frame [form] from corresponding fields of one or more anchor frames.~~

Please add the following new claims:

Sub B4
A2 C4
~~20. (New) A method for performing motion estimation comprising:
receiving a stream of data comprising reference frames and non-reference frames; and
predicting content of each of a plurality of fields non-reference frames and select
reference frames using information contained in merely corresponding fields of a past or
subsequent reference frame.~~

Cont
21. (New) A method according to claim 20, wherein the reference frames include I-frame and P-frame types.

22. (New) A method according to claim 20, wherein the non-reference frames include B-frames.

23. (New) A method according to claim 20, wherein select reference frames include P-frames.

24. (New) A method according to claim 20, wherein the content of each of the plurality of fields of the non-reference frame are predicted from a corresponding field of the plurality of fields comprising the reference frame, scaled by a dynamically determined motion vector.

25. (New) A method according to claim 20, wherein a first field of the non-reference frame and the reference frame comprises even-field content, while a second field of the reference frame and the non-reference frame comprise odd-field content.

26. (New) A method according to claim 25, wherein the first field of the non-reference frame is predicted using merely information from the first field of the reference frame.

27. (New) A method according to claim 25, wherein the first field of the non-reference frame is predicted using merely information from the second field of the reference frame.

28. (New) A method according to claim 25, wherein the second field of the non-reference frame is predicted using merely information from the first field of the reference frame.

29. (New) A method according to claim 25, wherein the second field of the non-reference frame is predicted using merely information from the second field of the reference frame.

30. (New) A storage medium comprising a plurality of executable instructions which, when executed by a computing system, cause the computing system to implement a method according to claim 20.

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